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File 345:Inpadoc/Fam.& Legal Stat 1999/UD=9927
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S1	1	PN=JP 63125794
?t s1/9/1		

(1/9/1)
DIALOG(R)File 345:Inpadoc/Fam.& Legal Stat
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8132884
Basic Patent (No,Kind,Date): JP 63125794 A2 880528 <No. of Patents: 001>

PATENT FAMILY:

JAPAN (JP)

Patent (No,Kind,Date): JP 63125794 A2 880528
DEVICE FOR TRIMMING PREVIOUSLY ASSEMBLED VENETIAN BLIND IN
PREDETERMINED LENGTH (English)
Patent Assignee: T YOO IND CO LTD
Author (Inventor): CHIYUNGU CHIEN FUANGU
Priority (No,Kind,Date): JP 86268780 A 861113
Applic (No,Kind,Date): JP 86268780 A 861113
IPC: * E06B-009/266
Language of Document: Japanese

?s pn=jp	55011774	
S2	1	PN=JP 55011774
?t s2/9/1		

2/9/1
DIALOG(R)File 345:Inpadoc/Fam.& Legal Stat
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2970115

Basic Patent (No,Kind,Date): JP 55011774 A2 800126 <No. of Patents: 002>

PATENT FAMILY:

JAPAN (JP)

Patent (No,Kind,Date): JP 55011774 A2 800126
MANUAL ROLL SCREEN CUTTER (English)
Patent Assignee: METAKO KIGYO KK
Author (Inventor): TSUCHIDA OSAMU
Priority (No,Kind,Date): JP 7885422 A 780713
Applic (No,Kind,Date): JP 7885422 A 780713
IPC: * B26D-003/16; B26D-001/30; E06B-009/10
Language of Document: Japanese
Patent (No,Kind,Date): JP 82005677 B4 820201
Priority (No,Kind,Date): JP 7885422 A 780713
Applic (No,Kind,Date): JP 7885422 A 780713
IPC: * B26D-003/16; B26D-009/00
Language of Document: Japanese

?s pn=jp	62153482	
S3	1	PN=JP 62153482
?t s3/9/1		

3/9/1
DIALOG(R)File 345:Inpadoc/Fam.& Legal Stat
(c) 1999 European Patent Office. All rts. reserv.

6129793

Basic Patent (No,Kind,Date): JP 62148114 A2 870702 <No. of Patents: 011>

PATENT FAMILY:

JAPAN (JP)

Patent (No,Kind,Date): JP 62148114 A2 870702
APPARATUS FOR CUTTING SLAT OF BLIND (English)
Patent Assignee: TACHIKAWA BLIND MFG
Author (Inventor): TSUCHIDA KAZUO
Priority (No,Kind,Date): JP 85291195 A 851224
Applie (No,Kind,Date): JP 85291195 A 851224
IPC: * B23D-036/00
JAPIO Reference No: ; 110377M000099
Language of Document: Japanese

Patent (No,Kind,Date): JP 62148115 A2 870702
APPARATUS FOR CUTTING SLAT OF BLIND (English)
Patent Assignee: TACHIKAWA BLIND MFG
Author (Inventor): TSUCHIDA KAZUO
Priority (No,Kind,Date): JP 85291196 A 851224
Applie (No,Kind,Date): JP 85291196 A 851224
IPC: * B23D-036/00; B23D-033/00
JAPIO Reference No: ; 110377M000099
Language of Document: Japanese

Patent (No,Kind,Date): JP 62148116 A2 870702
DEVICE FOR CUTTING OFF SLAT OF BLIND (English)
Patent Assignee: TACHIKAWA BLIND MFG
Author (Inventor): TSUCHIDA KAZUO
Priority (No,Kind,Date): JP 85291197 A 851224
Applie (No,Kind,Date): JP 85291197 A 851224
IPC: * B23D-036/00; B23D-033/02
JAPIO Reference No: ; 110377M000099
Language of Document: Japanese

Patent (No,Kind,Date): JP 62153482 A2 870708 *

SLAT CUTTER OF BLIND (English)
Patent Assignee: TACHIKAWA BLIND MFG
Author (Inventor): TSUCHIDA KAZUO
Priority (No,Kind,Date): JP 85294696 A 851226 *

Applie (No,Kind,Date): JP 85294696 A 851226
IPC: * E06B-009/266
Language of Document: Japanese

Patent (No,Kind,Date): JP 62153483 A2 870708 *

SLAT CUTTER OF BLIND (English)
Patent Assignee: TACHIKAWA BLIND MFG
Author (Inventor): TSUCHIDA KAZUO
Priority (No,Kind,Date): JP 85294697 A 851226 *

Applie (No,Kind,Date): JP 85294697 A 851226
IPC: * E06B-009/266
Language of Document: Japanese

Patent (No,Kind,Date): JP 62157798 A2 870713
SLAT CUTTER FOR BLIND (English)
Patent Assignee: TACHIKAWA BLIND MFG
Author (Inventor): TSUCHIDA KAZUO
Priority (No,Kind,Date): JP 85299167 A 851227
Applie (No,Kind,Date): JP 85299167 A 851227
IPC: * B26D-009/00; B26F-001/00
Language of Document: Japanese

Patent (No,Kind,Date): JP 90017291 B4 900420
Patent Assignee: TACHIKAWA BLIND MFG
Author (Inventor): TSUCHIDA KAZUO
Priority (No,Kind,Date): JP 85291197 A 851224
Applie (No,Kind,Date): JP 85291197 A 851224
IPC: * B23D-036/00; B65H-020/02
Language of Document: Japanese

Patent (No,Kind,Date): JP 93048357 B4 930721
Patent Assignee: TACHIKAWA BLIND MFG
Author (Inventor): TSUCHIDA KAZUO
Priority (No,Kind,Date): JP 85294696 A 851226
Applie (No,Kind,Date): JP 85294696 A 851226
IPC: * E06B-009/266; B26D-007/28
Language of Document: Japanese

Patent (No,Kind,Date): JP 93083359 B4 931125
Patent Assignee: TACHIKAWA BLIND MFG

Author (Inventor): TSUCHIDA KAZUO
Priority (No,Kind,Date): JP 85299167 A 851227
Applic (No,Kind,Date): JP 85299167 A 851227
IPC: * B26D-009/00; B26F-001/00
Language of Document: Japanese
Patent (No,Kind,Date): JP 94031496 B4 940427
Priority (No,Kind,Date): JP 85294697 A 851226
Applic (No,Kind,Date): JP 85294697 A 851226
IPC: * E06B-009/266; B21D-028/26
Derwent WPI Acc No: * G 89-007079
Language of Document: Japanese

UNITED STATES OF AMERICA (US)

Patent (No,Kind,Date): US 4790226 A 881213
APPARATUS FOR CUTTING BLIND SLATS (English)
Patent Assignee: TACHIKAWA BLIND MFG (JP)
Author (Inventor): TSUCHIDA KAZUO (JP)
Priority (No,Kind,Date): JP 85291195 A 851224; JP 85291196 A
851224; JP 85291197 A 851224; JP 85294696 A 851226; JP 85294697
A 851226; JP 85299167 A 851227
Applic (No,Kind,Date): US 906164 A 860910
National Class: * 083208000; 083040000; 083052000; 083255000;
083926000R; 029245000
IPC: * B23P-023/00; B23D-023/00
Derwent WPI Acc No: ; G 89-007079
Language of Document: English

UNITED STATES OF AMERICA (US)

Legal Status (No,Type,Date,Code,Text):
US 4790226 P 851224 US AA PRIORITY (PATENT)
JP 85291195 A 851224
US 4790226 P 851224 US AA PRIORITY (PATENT)
JP 85291196 A 851224
US 4790226 P 851224 US AA PRIORITY (PATENT)
JP 85291197 A 851224
US 4790226 P 851226 US AA PRIORITY (PATENT) *JP 85294696 A 851226
US 4790226 P 851226 US AA PRIORITY (PATENT) *JP 85294697 A 851226
US 4790226 P 851227 US AA PRIORITY (PATENT)
JP 85299167 A 851227
US 4790226 P 860910 US AE APPLICATION DATA (PATENT)
(APPL. DATA (PATENT))
US 906164 A 860910
US 4790226 P 860910 US AS02 ASSIGNMENT OF ASSIGNEE'S
INTEREST
TACHIKAWA CORPORATION, 30-7, YOYOGI 4-CHOME,
SHIBUYA-KU, TOKYO, JAPAN ; TSUCHIDA, KAZUO :
19860828
US 4790226 P 881213 US A PATENT
?s pn=jp 62153483
S4 1 PN=JP 62153483
?t s4/9/1

4/9/1

DIALOG(R) File 345: Inpadoc/Fam.& Legal Stat
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6129793

Basic Patent (No,Kind,Date): JP 62148114 A2 870702 <No. of Patents: 011>

PATENT FAMILY:

JAPAN (JP)

Patent (No,Kind,Date): JP 62148114 A2 870702
APPARATUS FOR CUTTING SLAT OF BLIND (English)
Patent Assignee: TACHIKAWA BLIND MFG
Author (Inventor): TSUCHIDA KAZUO
Priority (No,Kind,Date): JP 85291195 A 851224

Applic (No,Kind,Date) JP 85291195 A 851224
IPC: * B23D-036/00
JAPIO Reference No: ; 110377M000099
Language of Document: Japanese

Patent (No,Kind,Date): JP 62148115 A2 870702
APPARATUS FOR CUTTING SLAT OF BLIND (English)
Patent Assignee: TACHIKAWA BLIND MFG
Author (Inventor): TSUCHIDA KAZUO
Priority (No,Kind,Date): JP 85291196 A 851224
Applic (No,Kind,Date): JP 85291196 A 851224
IPC: * B23D-036/00; B23D-033/00
JAPIO Reference No: ; 110377M000099
Language of Document: Japanese

Patent (No,Kind,Date): JP 62148116 A2 870702
DEVICE FOR CUTTING OFF SLAT OF BLIND (English)
Patent Assignee: TACHIKAWA BLIND MFG
Author (Inventor): TSUCHIDA KAZUO
Priority (No,Kind,Date): JP 85291197 A 851224
Applic (No,Kind,Date): JP 85291197 A 851224
IPC: * B23D-036/00; B23D-033/02
JAPIO Reference No: ; 110377M000099
Language of Document: Japanese

Patent (No,Kind,Date): JP 62153482 A2 870708
SLAT CUTTER OF BLIND (English)
Patent Assignee: TACHIKAWA BLIND MFG
Author (Inventor): TSUCHIDA KAZUO
Priority (No,Kind,Date): JP 85294696 A 851226
Applic (No,Kind,Date): JP 85294696 A 851226
IPC: * E06B-009/266
Language of Document: Japanese

Patent (No,Kind,Date): JP 62153483 A2 870708
SLAT CUTTER OF BLIND (English)
Patent Assignee: TACHIKAWA BLIND MFG
Author (Inventor): TSUCHIDA KAZUO
Priority (No,Kind,Date): JP 85294697 A 851226
Applic (No,Kind,Date): JP 85294697 A 851226
IPC: * E06B-009/266
Language of Document: Japanese

Patent (No,Kind,Date): JP 62157798 A2 870713
SLAT CUTTER FOR BLIND (English)
Patent Assignee: TACHIKAWA BLIND MFG
Author (Inventor): TSUCHIDA KAZUO
Priority (No,Kind,Date): JP 85299167 A 851227
Applic (No,Kind,Date): JP 85299167 A 851227
IPC: * B26D-009/00; B26F-001/00
Language of Document: Japanese

Patent (No,Kind,Date): JP 90017291 B4 900420
Patent Assignee: TACHIKAWA BLIND MFG
Author (Inventor): TSUCHIDA KAZUO
Priority (No,Kind,Date): JP 85291197 A 851224
Applic (No,Kind,Date): JP 85291197 A 851224
IPC: * B23D-036/00; B65H-020/02
Language of Document: Japanese

Patent (No,Kind,Date): JP 93048357 B4 930721
Patent Assignee: TACHIKAWA BLIND MFG
Author (Inventor): TSUCHIDA KAZUO
Priority (No,Kind,Date): JP 85294696 A 851226
Applic (No,Kind,Date): JP 85294696 A 851226
IPC: * E06B-009/266; B26D-007/28
Language of Document: Japanese

Patent (No,Kind,Date): JP 93083359 B4 931125
Patent Assignee: TACHIKAWA BLIND MFG
Author (Inventor): TSUCHIDA KAZUO
Priority (No,Kind,Date): JP 85299167 A 851227
Applic (No,Kind,Date): JP 85299167 A 851227
IPC: * B26D-009/00; B26F-001/00
Language of Document: Japanese

Patent (No,Kind,Date): JP 94031496 B4 940427

Priority (No,Kind,Dat) : JP 85294697 A 851226
Applc (Nö,Kind,Date): JP 85294697 A 851226
IPC: * E06B-009/266; B21D-028/26
Derwent WPI Acc No: * G 89-007079
Language of Document: Japanese

UNITED STATES OF AMERICA (US)

Patent (No,Kind,Date): US 4790226 A 881213
APPARATUS FOR CUTTING BLIND SLATS (English)
Patent Assignee: TACHIKAWA BLIND MFG (JP)
Author (Inventor): TSUCHIDA KAZUO (JP)
Priority (No,Kind,Date): JP 85291195 A 851224; JP 85291196 A 851224; JP 85291197 A 851224; JP 85294696 A 851226; JP 85294697 A 851226; JP 85299167 A 851227
Applc (No,Kind,Date): US 906164 A 860910
National Class: * 083208000; 083040000; 083052000; 083255000;
083926000R; 029245000
IPC: * B23P-023/00; B23D-023/00
Derwent WPI Acc No: ; G 89-007079
Language of Document: English

UNITED STATES OF AMERICA (US)

Legal Status (No,Type,Date,Code,Text):
US 4790226 P 851224 US AA PRIORITY (PATENT)
JP 85291195 A 851224
US 4790226 P 851224 US AA PRIORITY (PATENT)
JP 85291196 A 851224
US 4790226 P 851224 US AA PRIORITY (PATENT)
JP 85291197 A 851224
US 4790226 P 851226 US AA PRIORITY (PATENT)
JP 85294696 A 851226
US 4790226 P 851226 US AA PRIORITY (PATENT)
JP 85294697 A 851226
US 4790226 P 851227 US AA PRIORITY (PATENT)
JP 85299167 A 851227
US 4790226 P 860910 US AE APPLICATION DATA (PATENT)
(APPL. DATA (PATENT))
US 906164 A 860910
US 4790226 P 860910 US AS02 ASSIGNMENT OF ASSIGNEE'S
INTEREST
TACHIKAWA CORPORATION, 30-7, YOYOGI 4-CHOME,
SHIBUYA-KU, TOKYO, JAPAN ; TSUCHIDA, KAZUO :
19860828
US 4790226 P 881213 US A PATENT

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\$37.00 4 Type(s) in Format 9
\$37.00 4 Types
\$38.79 Estimated cost File345
\$1.60 TELNET
\$40.39 Estimated cost this search
\$72.19 Estimated total session cost 1.099 DialUnits

File 340: CLAIMS(R) /US Patent 1950-99/Jul 13
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*File 340: Price increase effective June 1, 1999. U.S. Provisional Applications now searchable. See HELP NEWS 340 for more information.

Set Items Description
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?s pn=4790226
S1 1 PN=4790226
?t s1/7/1

1900625 2858535

M/APPARATUS FOR CUTTING BLIND SLATS

Document Type: UTILITY

Inventors: TSUCHIDA KAZUO (JP)

Assignee: TACHIKAWA CORP JP

Patent	Issue	Applie	Applie
Number	Date	Number	Date
<hr/>			
Patent:	US 4790226	19881213 US 86906164	19860910
	(Cited in 005 later patents)		
Priority Applie:		JP 85291195	19851224
		JP 85291196	19851224
		JP 85291197	19851224
		JP 85294696	19851226
		JP 85294697	19851226
		JP 85299167	19851227

Calculated Expiration: 20060910

Abstract:

Disclosed is an apparatus for cutting blind slats, including a conveying device for sequentially conveying a slat material and a cutting device turned on and off in synchronism with the conveyance of the slat material so as to form slats of a desired length, wherein the improvement is characterized by comprising: an input device having means for entering the length of a slat; a control device for converting the output signal of the input device to pulse signals corresponding to the slat length entered and outputting them; and a motor rotated on the basis of the pulse signals output from the control device so as to convey the slat material by predetermined lengths.

Exemplary Claim:

1. An apparatus for cutting blind slats, including: a conveying device for sequentially conveying a slat material; and a cutting device turned on and off in synchronism with the conveyance of said slat material so as to produce slats of a desired length, an input device having means for entering the length of a slat and for entering a desired height of a blind; a control device having means for converting the output signal of said input device to pulse signals corresponding to the slat length entered and outputting them; said control device having means for calculating the number of slats required for a set of blinds on the basis of said input height of the blind and the width of a slat and means for outputting said pulse signals intermittently in a number which corresponds to said number of slats; and a motor rotated on the basis of said pulse signals output from said control device so as to convey said slat material by predetermined lengths.

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